

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT -- RENEWAL

PERMITTEE

Perruso Cleaners
Attn: John Kim
425 East 162nd Street
South Holland, Illinois 60473

<u>Application No.:</u> 83060040	<u>I.D. No.:</u> 031297ACC
<u>Applicant's Designation:</u>	<u>Date Received:</u> December 27, 2002
<u>Subject:</u> Petroleum Solvent Dry Cleaner	
<u>Date Issued:</u>	<u>Expiration Date:</u>
<u>Location:</u> 425 East 162nd Street, South Holland	

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of one petroleum solvent washer and two dryers pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emission of air pollutants from the source to less than major source thresholds (i.e., 25 tons/year for VOM, 10 tons/year of a single HAP, 25 tons/year for totaled HAP) as further described in Attachment A. As a result, the source is excluded from requirements to obtain a Clean Air Act Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permit(s) issued for this location.
- 2a. This permit is issued based upon the source not being subject to New Source Performance Standard (NSPS), 40 CFR Part 60, Subpart JJJ - Standards of Performance for Petroleum Dry Cleaners, due to commencing of construction before applicability date of December 14, 1982 established by 40 CFR 60.620(b).
- b. This permit is issued based upon the source not being subject to 35 Ill. Adm. Code 218, Subpart Z: Dry Cleaners, due to the federally enforceable conditions of this permit limiting source's potential to emit VOM to less than applicability threshold of 25 tons/year, established by 35 Ill. Adm. Code 218.611(b).
- c. This permit is issued based upon the source not being subject to 35 Ill. Adm. Code 218, Subpart G: Use of Organic Material, due to use non-photochemically reactive cleaning solvent.

- 3a. Emissions and operation of the petroleum solvent dry cleaning plant shall not exceed the following limits:

Petroleum Solvent Usage		VOM Emissions	
<u>(Gal/Mo)</u>	<u>(Gal/Yr)</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
700	7,000	2.3	22.8

These limits define the potential emissions of the VOM and are based on the maximum petroleum solvent usage allowed by this permit. Emissions were determined by material balance considering a solvent density of 6.5 lb/gal.

Solvent usage shall be determined from the following equation:

$$U = V - W \times C/100$$

where:

U = solvent usage (gal);

V = virgin solvent added to the process (gal);

W = certified amount of waste shipped off for recycling (gal);

C = certified VOM content of waste solvent (%).

- b. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.
4. The emissions of HAPs as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish by rule which would require the Permittee to obtain a Clean Air Act Permit Program permit from the Illinois EPA. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a Clean Air Act Permit Program permit from the Illinois EPA.
5. The Permittee shall maintain records of the following items:
- Solvent purchased (gal/mo and gal/yr).
 - Waste solvent shipped off for recycling (gal/mo and gal/yr).
 - VOM content of waste solvent (%).
 - MSDS of petroleum solvent(s).

- v. VOM and HAP emissions (ton/mo and ton/yr).
6. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to the Illinois EPA request for records during the course of a source inspection.
7. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
8. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency
Division of Air Pollution Control
9511 West Harrison
Des Plaines, Illinois 60016

9. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year:
- a. petroleum solvent usage (gal/mo and gal/yr);

If there have been no exceedances during the prior calendar year, the Annual Emission Report shall include a statement to that effect.

It should be noted that perchloroethylene dry cleaning operations consuming less than 30 gallons of perchloroethylene per month are exempt from the permit requirements pursuant to 35 Ill. Adm. Code 201.146(x).

Page 4

If you have any questions on this permit, please call Randy Solomon at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

DES:RBS:psj

cc: Illinois EPA, FOS Region 1
Illinois EPA, Compliance Section
USEPA
Brad Frost/Lotus Notes

Attachment A - Emissions Summary

This attachment provides a summary of the maximum emissions from the petroleum solvent dry cleaning plant operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. This plant will use no more than 7,000 gallons of petroleum solvent per year. The resulting maximum emissions are below the levels, e.g., 25 ton/yr of VOM at which this source would be considered a major source for purposes of the Clean Air Act Permit Program.

1. Emissions from the petroleum solvent dry cleaning process:

Petroleum Solvent Usage		VOM Emissions	
<u>(Gal/Mo)</u>	<u>(Gal/Yr)</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
700	7,000	2.3	22.8

2. The emissions of HAPs as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish by rule which would require the Permittee to obtain a Clean Air Act Permit Program permit from the Illinois EPA. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a Clean Air Act Permit Program permit from the Illinois EPA.

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